PATENT COOPERATION TREATY DOCKETED

From the INTERNATIONAL SEARCHING AUTHORITY

TOIL THE INTERNATIONAL SEARCHING ACTION T	PUI
To: HAMILTON, BROOK, SMITH REYNOLDS, P.C. Attn. Carroll, Alice O. 530 Virginia Road P.O. Box 9133	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION
Concord, MA 01742-9133 UNITED STATES OF AMERICA	·
ONTIED STATES OF AMERICA	(PCT Rule 44.1)
	Date of mailing (day/month/year) 09/11/2004
Applicant's or agent's file reference	
3194.1026004	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No.	International filing date
PCT/US2004/017251	(day/month/year) 01/06/2004
Applicant	FOREIGN DOCKETING
MYKROLIS CORPORATION	
	Completed By
Authority have been established and are transmitted herewith Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claim When? The time limit for filing such amendments is normal limit in the limit for filing such amendments is normal limit for filing such amendments is	is of the international Application (see Rule 46): mally 2 months from the date of transmittal of the details, see the notes on the accompanying sheet. chemin des Colombettes scimile No.: (41–22) 740.14.35 mpanying sheet. report will be established and that the declaration under iternational Searching Authority are transmitted herewith. nal fee(s) under Rule 40.2, the applicant is notified that: in transmitted to the International Bureau together with the itest and the decision thereon to the designated Offices.
Shortly after the expiration of 18 months from the priority date, the international Bureau. If the applicant wishes to avoid or postpone application, or of the priority claim, must reach the International Bubefore the completion of the technical preparations for internation The applicant may submit comments on an informal basis on the unternational Bureau. The international Bureau will send a copy of international preliminary examination report has been or is to be enthe public but not before the expiration of 30 months from the priori Within 19 months from the priority date, but only in respect of some examination must be filed if the applicant wishes to postpone the edate (in some Offices even later); otherwise, the applicant must, wacts for entry into the national phase before those designated Office In respect of other designated Offices, the time limit of 30 months months.	publication, a notice of withdrawal of the international reau as provided in Rules 90 <i>bis</i> .1 and 90 <i>bis</i> .3, respectively, all publication. written opinion of the International Searching Authority to the such comments to all designated Offices unless an stablished. These comments would also be made available to rity date. The designated Offices, a demand for international preliminary entry into the national phase until 30 months from the priority <i>i</i> thin 20 months from the priority date, perform the prescribed ces.

Name and mailing address of the International Searching Authority Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Véronique Baillou NOV 18 2004 Sen neres programming sheet

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international polication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been its filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

Notes to Form PCT/ISA/220 (first sheet) (January 1994)

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers;
 claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
 "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

Notes to Form PCT/ISA/220 (second sheet) (January 1994)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220			
ACTION as well as, where applicable, Item 5 below. International application No. International filling date (day/month/year) (Earliest) Priority Date (day/month/year) PCT/US2004/017251 01/06/2004 02/06/2003 Applicant MYKROLIS CORPORATION This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This International Search Report consists of a total of sheets. X It is also accompanied by a copy of each prior art document cited in this report. 1. Basis of the report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.					
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)			
	01/06/2004	02/06/2003			
Applicant					
MYKROLIS CORPORATION					
		hority and is transmitted to the applicant			
This International Search Report consists	of a total of sheets.				
X It is also accompanied by	a copy of each prior art document cited in this	report.			
a. With regard to the language, the i	nternational search was carried out on the ba ess otherwise indicated under this item.	sis of the international application in the			
		ation of the international application furnished to			
b. With regard to any nucleo	tide and/or amino acid sequence disclosed	in the international application, see Box No. I.			
2. Certain claims were four	nd unsearchable (See Box II).				
3. Unity of invention is lack	king (see Box III).				
4. With regard to the title ,					
X the text is approved as sul	omitted by the applicant.				
the text has been establish	ned by this Authority to read as follows:				
·					
		•			
5. With regard to the abstract,					
X the text is approved as sul	, , , ,				
	ned, according to Rule 38.2(b), by this Authoring the date of mailing of this international sear				
6. With regards to the drawings,					
	ublished with the abstract is Figure No.	-			
as suggested by the	ne applicant.				
	Authority, because the applicant failed to sug				
	s Authority, because this figure better characte published with the abstract.	rizes the invention.			
In the state of th	- parameter man and applicable				

INTERNATIONAL SEARCH REPORT

International Application No PCT/US2004/017251

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01L21/306 B01D53/00

B01D53/72

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 - H01L - B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	,
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	WO 01/37329 A (LUCENT TECHNOLOGIES INC) 25 May 2001 (2001-05-25)	1
Α	page 4, lines 15,16; claims 1-9	2-35
Α .	EP 0 867 924 A (IMEC INTER UNI MICRO ELECTR) 30 September 1998 (1998-09-30) claims 1-26	1-35
A	US 2002/088478 A1 (DEGENDT STEFAN ET AL) 11 July 2002 (2002-07-11) claims 1-49	1-35
Α .	DE 199 24 058 A (BOSCH GMBH ROBERT) 30 November 2000 (2000-11-30) claims 1-18	1-35
	-/	

Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.
° Special categories of cited documents:	
A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	 *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documently, such combination being obvious to a person skilled in the art. *&* document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
28 October 2004	09/11/2004
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Kanoldt, W

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/017251

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
	US 6 124 211 A (BUTTERBAUGH JEFFERY W ET AL) 26 September 2000 (2000-09-26) claims 1-21; example 12	1-35	
	US 5 938 854 A (ROTH JOHN REECE) 17 August 1999 (1999-08-17) claims 1-49		1-35
	US 5 230 721 A (OHMI TADAHIYO) 27 July 1993 (1993-07-27) claims 1-7		1-35
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/US2004/017251

					i		
	atent document d in search report		Publication date		Patent family member(s)		Publication date
WO	0137329	Α	25-05-2001	AU WO US	1604501 0137329 6588437	A1	30-05-2001 25-05-2001 08-07-2003
EP	0867924	Α	30-09-1998	EP US US US	0867924 2002088478 6551409 2002011257	A1. B1 A1	30-09-1998 11-07-2002 22-04-2003 31-01-2002
U\$	2002088478	A1	11-07-2002	JP US US US US US US US EP JP	11219926 2002130106 6551409 2001042559 2002011257 0867924 11219926	A1 B1 A1 A1 A2	10-08-1999
DE	19924058	Α	30-11-2000	DE	19924058	A1	30-11-2000
US	6124211	A	26-09-2000	EP JP WO EP JP US US	0801606 10513612 9713646 0688045 8064559 5534107 5580421 5716495 6015503	T A1 A1 A A A A	22-10-1997 22-12-1998 17-04-1997 20-12-1995 08-03-1996 09-07-1996 03-12-1996 10-02-1998 18-01-2000
US	5938854	A	17-08-1999	US AU AU CA EP WO AU CA EP RU US US	5456972 5669583 695099 6148496 2222620 0828618 11507990 9638311 679237 6962394 2163967 0700577 8511898 2154363 9428568 5403453 6146724	A B2 A A1 T A1 B2 A A1 T C2 A1 A	10-10-1995 23-09-1997 06-08-1998 18-12-1996 05-12-1996 18-03-1998 13-07-1999 05-12-1996 26-06-1997 20-12-1994 08-12-1994 13-03-1996 10-12-1996 10-08-2000 08-12-1994 04-04-1995 14-11-2000

- 1.4 From the description, it can be concluded (see pages 8, 9) that the purified purge gas shall contain, beside inert gases, "active" gases showing a chemical effect. Only water and oxygen are named and their effectiveness is demonstrated in the examples. From the description it is also clear that no other impacting effects like plasma or radiation or the use of known more aggressive gases like chlorine shall be applied. But the claims are not restricted to these disclosed features. All additional energetic and chemical effects which are apparently not meant, are in addition possible according to the formulation of the claims.
- 1.5 In the following, the claims are read as concerning the removal of hydrocarbons from high purity products such as silicon wafers.

Re Item V:

- 1. The following document is referred to in this communication:
 - D1: WO 01/37329 A (LUCENT TECHNOLOGIES INC) 25 May 2001 (2001-05-25)
 - D2: EP 0 867 924 A (IMEC INTER UNI MICRO ELECTR) 30 September 1998 (1998-09-30)
 - D3: US 2002/088478 A1 (DEGENDT STEFAN ET AL) 11 July 2002 (2002-07-11)
 - D4: DE 199 24 058 A (BOSCH GMBH ROBERT) 30 November 2000 (2000-11-30)
 - D5: US 6 124 211 A (BUTTERBAUGH JEFFERY W ET AL) 26 September 2000 (2000-09-26)
 - D6: US 5 938 854 A (ROTH JOHN REECE) 17 August 1999 (1999-08-17)
- 2.1 As the claims are not clear (see above) only a more general statement to present claim 1 in view of the above clarifications (see re item VIII, 1.5, above) can be given.
- 2.2 Document D1 is regarded to perform the closest present prior art. It shows (see p. 4, ls. 15, 16; claims 1 9, 36) a method for the removal of airborne hydrocarbons from a wafer surface comprising purifying a portion of the wafer surface with a gas

containing water vapor. The taking up of hydrocarbons (and respective reaction products) producing a contaminated purge gas and the removal of this purge gas is self-evident.

Claim 1 differs in that the purge gas before contacting shall have a purity of less than 1 vol-ppb AMCs.

Thus, claim 1 is novel (Article 33(2) PCT), but no inventive activity can be acknowledged (Article 33(3) PCT), as it is known to a skilled person (application, page 8, ls. 26 -31) that in order to finally purge a wafer surface, it is necessary to have a UHP gas. Otherwise, the required purity - either after physical rinsing or chemical removing from contaminants - cannot reached.

In D1, no purity is given. As already mentioned, the skilled man knows that in case of a final purification (e.g. before using the wafer in chip production) step, the required surface purity can only be achieved when the treating gas does not contain more impurities than the usual gas atmosphere in the further production step.

- 2.3 Documents D2 D6 show all a similar prior art. The main difference is that the origine of the hydrocarbons is not expressed, what is not regarded as essential.
- 2.4 Concerning the other claims (2 35), in view of the unclear formulations (see 2.1, above) it can only be said that these claims seem to contain solution details which cannot be regarded as inventive (Article 33(3) PCT).

The industrial applicability (Article 33(4) PCT) is beyond doubt.

Re Item VII:

1. No relevant prior art documents are mentioned in the introduction of the description

PATENT COOPERATION TREATY

INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE see form PCT/ISA/220 INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet) Applicant's or agent's file reference FOR FURTHER ACTION see form PCT/ISA/220 See paragraph 2 below International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/US2004/017251 01.06.2004 02.06.2003 International Patent Classification (IPC) or both national classification and IPC H01L21/306, B01D53/00, B01D53/72 Applicant MYKROLIS CORPORATION 1. This opinion contains indications relating to the following items: ☑ Box No. I Basis of the opinion Box No. II Priority ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability ☐ Box No. IV Lack of unity of invention Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement ☐ Box No. VI Certain documents cited ☑ Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Name and mailing address of the ISA: Authorized Officer

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From the

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Telephone No. +49 89 2399-8633



WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2004/017251

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_		OX IV	o. I Basis of the opinion
1	the	ith re e lan	gard to the language , this opinion has been established on the basis of the international application in guage in which it was field, unless otherwise indicated under this item.
		iui	is opinion has been established on the basis of a translation from the original language into the following iguage , which is the language of a translation furnished for the purposes of international search inder Rules 12.3 and 23.1(b)).
2.	Wi ne	ith re cess	gard to any nucleotide and/or amino acid sequence disclosed in the international application and ary to the claimed invention, this opinion has been established on the basis of:
	a. 1	type	of material:
			a sequence listing
			table(s) related to the sequence listing
	b. f	forma	at of material:
			in written format
			in computer readable form
	c. t	ime d	of filing/furnishing:
	. !		contained in the international application as filed.
	!	□ i	iled together with the international application in computer readable form.
	[□ 1	urnished subsequently to this Authority for the purposes of search.
3.		cop	ddition, in the case that more than one version or copy of a sequence listing and/or table relating thereto been filed or furnished, the required statements that the information in the subsequent or additional les is identical to that in the application as filed or does not go beyond the application as filed, as ropriate, were furnished.
4.	Add	lition	al comments:

Box No. II Priority			
The following document h	nas not been furi	nished:	
		ose priority has been claimed (Rule 43 <i>bis.</i> 1 and 66.7(a)).	
		n whose priority has been claimed (Rule 43bis.1 and 66.7(b)).
nevertheless been establi	een possible to shed on the ass	consider the validity of the priority claim. This opinion has umption that the relevant date is the claimed priority date.	
 This opinion has been est has been found invalid (R filing date indicated above 	ules 43 <i>bis.</i> 1 and	p priority had been claimed due to the fact that the priority class. Thus for the purposes of this opinion, the internation be the relevant date.	aim ıal
3. Additional observations, if nec	essary:		
Box No. V Reasoned state industrial applicability: citati	ment under Ru	le 43 <i>bis</i> .1(a)(i) with regard to novelty, inventive step or nations supporting such statement	
1. Statement	one and oxpidi	actions supporting such statement	
		•	
Novelty (N)	Yes: Clain No: Clain	. 00	
Inventive step (IS)	Yes: Clain	าร	
	No: Claim	ns 1-35	
Industrial applicability (IA)	Yes: Clain No: Clain		
2. Citations and explanations			
see separate sheet		•	
Box No. VII Certain defects	in the internati	onal application	
see separate sheet		international application have been noted:	
Box No. VIII Certain observa	ations on the in	ternational application	
he following observations on the laims are fully supported by the d	clarity of the clai	ms, description, and drawings or on the question whether the	—— 1е

see separate sheet

Re Item VIII:

- 1. The claims are not clear (Article 6 PCT) as follows:
- 1.1 It is not understood why more than one independent claim in the same category is necessary. The various definitions of the invention given in the independent claims 1, 2, 16 and 24 are such that the claims as a whole are not clear and concise, contrary to Article 6 PCT. The claims should be recast to include only the minimum necessary number of independent claims in any one category, Rule 13.3 PCT, with dependent claims as appropriate, Rule 6.4 PCT.
 - Claim 1 is regarded as the broadest claim. The other independent claims could apparently be formulated dependent on this claim.
- 1.2 In the chapter "summary of the invention" the independent claims are reflected. But some of the features (see p. 4, 32 and p. 5, l. 12) are preferable according to the description, but obligatory in the corresponding claims. Thus, the claims are not clear in the light of the description.
 - Moreover, the dependent claims are not reflected completely in the description and thus are not supported.
- 1.3 In the description, the problem to be solved (page 4, Is. 29, 30) is described as to provide a method for the removal of AMCs from surfaces. But in the examples, exclusively different hydrocarbons are removed. Thus, a generalization to all possible AMCs is regarded to be speculative. In this context, the explanation concerning AMCs given on page 2 is misleading, as also moisture and oxygen is included in the open list of possible AMCs, but in the following sentence these two substances are excluded. This contradiction makes the expression "AMC" not clear.

From the first chapter of the description it becomes immediately clear that the application concerns the removal of substances on surfaces of high purity products such as silicon wafers. Contrary to this, the independent claims only mention a "surface" in general. Thus, the "surfaces" are not clearly defined in the claims.